

What is claimed is:

1. A photovoltaic element module comprising at least two electrically connected photovoltaic elements to each other, wherein a medium capable of absorbing at least 10% or more of a light having a wavelength of 0.4 μm to 2.0 μm is provided on an electric connection portion of the photovoltaic element.
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2. A photovoltaic element module according to Claim 1, wherein the photovoltaic element has at least a conductive substrate and a semiconductor layer.
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3. A photovoltaic element module according to Claim 1, wherein the medium is a color ink.
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4. A photovoltaic element module according to Claim 1, wherein the medium is a film having a thickness of 5 μm to 30 μm .
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5. A photovoltaic element module according to Claim 1, wherein the medium consists of at least one of Fe, Ni, and solder.
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6. A photovoltaic element module according to Claim 1, wherein the medium absorbs 10% or more of a laser light having a wavelength of 1.06 μm .

7. A photovoltaic element module according to
Claim 1, wherein in the electric connection portion,
each of metal members provided on each of the
photovoltaic elements are electrically connected to
5 each other.

8. A photovoltaic element module according to
Claim 7, wherein the metal members comprise at least
one of gold, silver, copper, stainless, and aluminum as
a main component.
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9. A method of producing a photovoltaic element
module, which comprises a step of electrically
connecting at least two photovoltaic elements to each
other, wherein the step is a step of electrically
connecting a first and a second photovoltaic elements
by providing on a part of the first photovoltaic
element a medium capable of absorbing at least 10% or
more of a light having a wavelength of 0.4 μm to 2.0 μm
15 and irradiating the medium with a laser light having a
wavelength of 0.4 μm to 2.0 $\mu\text{m}.$
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25 10. A method of producing a photovoltaic element
module according to Claim 9, wherein the medium is a
color ink.

11. A method of producing a photovoltaic element

module according to Claim 9, wherein the medium is a film having a thickness of 5 mm to 30 μ m.

12. A method of producing a photovoltaic element
5 module according to Claim 9, wherein the medium consists of at least one of Fe, Ni, and solder.

13. A method of producing a photovoltaic element
10 module according to Claim 9, wherein a metal member is provided on an electrode portion of the photovoltaic element and wherein the medium is provided on a surface of the metal member.

14. A method of producing a photovoltaic element
15 module, which comprises a step of electrically connecting at least two photovoltaic elements to each other, wherein each of the photovoltaic element has at least a conductive substrate, a semiconductor layer, and a light-transmissive electrode, and wherein the
20 step is a step of electrically connecting a conductive substrate of a first photovoltaic element and a light-transmissive electrode of a second photovoltaic element to each other by laser welding.

25 15. A method of producing a photovoltaic element module according to Claim 14, wherein a metal member is provided on the conductive substrate of the first

photovoltaic element and/or the light-transmissive electrode of the second photovoltaic element, wherein a medium capable of absorbing a laser light is provided on the metal member, and wherein the medium is
5 irradiated with the laser light to carry out the laser welding.

16. A method of producing a photovoltaic element module according to Claim 15, wherein the medium
10 absorbs 10% or more of a light having a wavelength of 0.4 μm to 2.0 μm .

17. A non-contact treatment method of carry out treatment by using an energy supply means for supplying energy, which comprises placing a non-adhering medium
15 capable of absorbing the energy on a material to be treated, and irradiating the non-adhering medium with the energy.

20 18. A non-contact treatment method according to Claim 17, wherein a surface of the non-adhering medium closely contacting the material to be treated has a surface roughness of 0.1 nm to 5,000 nm in mean square.

25 19. A non-contact treatment method according to Claim 17, wherein the non-adhering medium has at least a polymer film.

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20. A non-contact treatment method according to
Claim 17, wherein the non-adhering medium is a magnetic
tape.

5 21. A non-contact treatment method according to
Claim 20, wherein a magnetic surface of the magnetic
tape is closely contacted with the material to be
treated.

10 22. A non-contact treatment method according to
Claim 17, wherein the non-adhering medium absorbs 10%
or more of a light having a wavelength of 0.4 μm to 2.0
 μm .

15 23. A non-contact treatment method according to
Claim 17, wherein the energy is light, heat, or
electromagnetic waves.

20 24. A non-contact treatment method according to
Claim 17, wherein the non-adhering medium is irradiated
with the energy while pressing the non-adhering medium
against the material to be treated.

25 25. A non-contact treatment method according to
Claim 17, wherein the non-adhering medium is removed by
irradiation of the energy.

26. A non-contact treatment method according to
Claim 17, wherein the non-adhering medium is removed
after the energy irradiation.

5 27. A non-contact treatment method according to
Claim 17, wherein the treatment is cutting or welding.

10 28. A non-contact treatment method according to
Claim 17, wherein the non-adhering medium is supplied
from a roll of the non-adhering medium, and after the
energy irradiation, is wound up.

15 29. A non-contact treatment method according to
Claim 17, wherein the material to be treated is an
electrode of an electric part.

20 30. A non-contact treatment method according to
Claim 17, wherein the material to be treated is an
electrode of a photovoltaic element.

25 31. A non-contact treatment method according to
Claim 17, wherein the material to be treated is a
material having a high reflectance with respect to
energy irradiation.

32. A method of producing a photovoltaic element
module, which comprises a step of electrically

connecting at least two photovoltaic elements to each other, wherein the step is a step of placing on a part of a first photovoltaic element a non-adhering medium capable of absorbing energy and irradiating the medium
5 with energy to electrically connect the first photovoltaic element and a second photovoltaic element to each other.

33. A method of producing a photovoltaic element module according to Claim 32, wherein a surface of the non-adhering medium closely contacting a material to be treated has a surface roughness of 0.1 nm to 5,000 nm in mean square.

15 34. A method of producing a photovoltaic element module according to Claim 32, wherein the non-adhering medium has at least a polymer film.

20 35. A method of producing a photovoltaic element module according to Claim 32, wherein the non-adhering medium is a magnetic tape.

25 36. A method of producing a photovoltaic element module according to Claim 35, wherein a magnetic surface of the magnetic tape is closely contacted with a part of the first photovoltaic element.

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37. A method of producing a photovoltaic element module according to Claim 32, wherein the non-adhering medium absorbs 10% or more of a light having a wavelength of 0.4 μm to 2.0 μm .

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38. A method of producing a photovoltaic element module according to Claim 32, wherein a metal member is provided on an electrode portion of the photovoltaic element and wherein the non-adhering medium is provided on a surface of the metal member.

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39. A photovoltaic element module produced by the method of Claim 32 of producing a photovoltaic element module.

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